

Converting Colors

$Y_{xy}(15.8039, 0.3606, 0.2782)$

Have a look what the booklet for
Yxy(15.8039, 0.3606, 0.2782)
contains.

Yxy(15.8317, 0.3612, 0.2792)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8317, 0.3612, 0.2792)

Conversions

Conversions Part 1

Format	Color
Hex	995C7A
RGB	153, 92, 122
RGB Percent	60%, 36%, 48%
CMY	0.3999, 0.6393, 0.5215
CMYK	0.00, 0.40, 0.20, 0.40
HSL	330°, 25%, 48%
HSV	330°, 40%, 60%
XYZ	20.4814, 15.8317, 20.3907
YIQ	113.6590, 26.7260, 22.2620

Conversions

Conversions Part 2

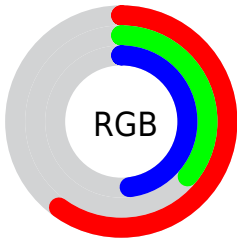
Format	Color
R_{YB}	153, 92, 122
Decimal	10050682
CIE _{Lab}	46.75, 29.28, -6.23
CIE _{LCh}	47, 29.931, 347.986
Yxy	15.8317, 0.3612, 0.2792
Android (android.graphics.Color)	4288240762 (0xFF995C7A)
YUV	113.6590, 4.1121, 34.5021
Hunter-Lab	39.7891, 22.2520, -2.5320

Details

The Yxy color **15.8317, 0.3612, 0.2792** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.4974, 0.2821, 0.3856**, and the grayscale version is **16.7015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2562, 0.3508, 0.2906**, and **4.9917, 0.3827, 0.2596** is the 20% darker color. If you saturate the color by 10%, you get **13.2589, 0.3792, 0.2671**, and if you desaturate by 10%, it is **18.9569, 0.3457, 0.2920**.

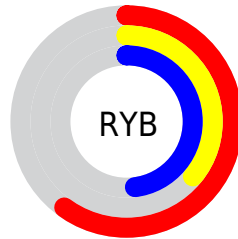
Distribution



Red (60%)

Green (36%)

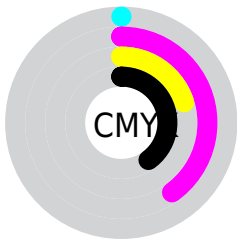
Blue (48%)



Red (60%)

Yellow (36%)

Blue (48%)

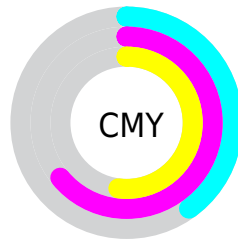


Cyan (0%)

Magenta (40%)

Yellow (20%)

Black (40%)



Cyan (40%)


Magenta (64%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8317, 0.3612, 0.2792 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.8317, 0.3612, 0.2792 by changing the saturation by 10% instead.


 15.8317, 0.3612,
0.2792


 15.8317, 0.3612,
0.2792


228.3466, 0.3331,
0.3076


 9.4051, 0.3699,
0.2706


 36.3058, 0.3499,
0.2905


 5.0064, 0.3824,
0.2585


 51.1221, 0.3460,
0.2945

 2.2510, 0.4018,
0.2402

 69.5038, 0.3428,
0.2977

 0.7476, 0.4366,
0.2079

 91.8352, 0.3402,
0.3003

 0.0000, 0.8941,
0.0000

118.5008, 0.3380,
0.3026

 0.0000, 0.0000,
0.0000

149.8850, 0.3361,

0.3045

186.3721, 0.3345,
0.3062

■ 15.8317, 0.3612,
0.2792

■ 15.8317, 0.3612,
0.2792

■ 13.2589, 0.3792,
0.2671

■ 18.9569, 0.3457,
0.2920

■ 11.2035, 0.3998,
0.2566

■ 22.6625, 0.3327,
0.3048

■ 9.6299, 0.4226,
0.2488


■ 26.9770, 0.3217,
0.3173

■ 8.4971, 0.4469,
0.2448


■ 31.9264, 0.3126,
0.3291


■ 7.7568, 0.4716,
0.2458

■ 37.5354, 0.3051,
0.3402


 7.2916, 0.4960,
0.2507

 43.8272, 0.2988,
0.3504

 7.2868, 0.4963,
0.2508

 50.8239, 0.2937,
0.3599

 58.5466, 0.2894,
0.3685

 67.0155, 0.2858,
0.3765

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.8317, 0.2999, 0.2489



15.8317, 0.3612, 0.2792



15.8317, 0.4118, 0.3209

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.8317, 0.3612, 0.2792



15.8317, 0.3736, 0.4363



15.8317, 0.2060, 0.2731

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.8317, 0.3612, 0.2792



26.4974, 0.2821, 0.3856

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.8317, 0.2215, 0.3254



15.8317, 0.3612, 0.2792



15.8317, 0.3162, 0.4303

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.8317, 0.3612, 0.2792



15.8317, 0.4170, 0.4098



15.8317, 0.2607, 0.3868



15.8317, 0.2151, 0.2427

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.8317, 0.3612, 0.2792



15.8317, 0.4296, 0.3517



15.8317, 0.2607, 0.3868



15.8317, 0.2084, 0.2884

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.8324, 0.3612, 0.2792



46.3788, 0.3241, 0.3144



14.1275, 0.2773, 0.2216



10.0376, 0.3253, 0.3130



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8324, 0.3612, 0.2792



24.1286, 0.3774, 0.2682



15.1996, 0.4094, 0.3293



6.2708, 0.3211, 0.3181



6.0265, 0.4947, 0.2499



0.0974, 0.4075, 0.2019

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.8324, 0.3612, 0.2792



24.1286, 0.3774, 0.2682



27.3681, 0.2591, 0.3288



6.2708, 0.3211, 0.3181



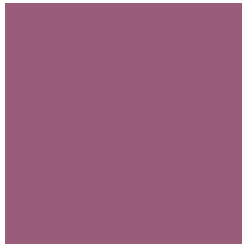
6.0265, 0.4947, 0.2499



0.0974, 0.4075, 0.2019

Previews

White Background



This preview shows how the Yxy color 15.8317, 0.3612, 0.2792 looks on a white background.

Color Contrast Check

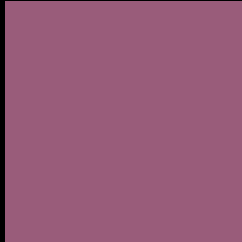
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.8317, 0.3612, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

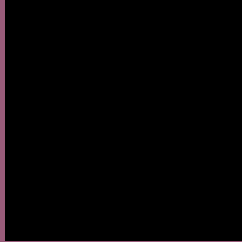
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.8317, 0.3612, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 15.8317, 0.3612, 0.2792.



This preview shows how white text looks on a background with the Yxy color 15.8317, 0.3612, 0.2792.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.8317, 0.3612, 0.2792

Protanopia

15.9373, 0.2798, 0.2818

Deuteranopia

15.9086, 0.3124, 0.3075



Tritanopia

15.9243, 0.3863, 0.3172

Trichromacy



Original Color

15.8317, 0.3612, 0.2792

Protanomaly

15.5232, 0.3056, 0.2783

Deuteranomaly

15.6841, 0.3298, 0.2956

Tritanomaly

15.9856, 0.3773, 0.3037

Monochromacy



Original Color

15.8317, 0.3612, 0.2792

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1816, 0.3289, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8317, 0.3612, 0.2792 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 92, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 92, 122)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 92, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 92, 122) }
```

Border

The CSS property to change the border of an element to Yxy 15.8317, 0.3612, 0.2792 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 92, 122) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(153, 92, 122) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(153, 92, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 92, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 92, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 92,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8317, 0.3612, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 92, 122) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153, 92,  
122) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor